

MATHEMATICS FOR TEACHING B.S.

PRE-MAJOR (11 COURSES)

REQUIRED TO DECLARE	MATH	MATH 31A or 31AL	Completion of all sequenced mathematics courses are required to declare the major.
		MATH 31B	
		MATH 32A	Complete sequenced mathematics courses with a 2.5 grade point average and a grade of "C" or better in each course.
		MATH 32B	
		MATH 33A	
		MATH 33B	Repetition of more than two courses, or of any course in this section more than once, results in automatic dismissal from the major.

ADDITIONAL	MATH 61	Additional lower division courses in must be completed with a 2.0 grade point average and a grade of "C-" or better in each course.
	PHYSICS 1A or 5A	
	PIC 10A	
	Two courses from:	
	CHEM 20A	
	CHEM 20B	
	PHYSICS 1B or 5B	
	PHYSICS 1C or 5C	
	PIC 10B–97	

MAJOR (13 COURSES)

MATH 115A ⁺	MATH 105C	⁺ To prepare for Math 115A and 131A, students are strongly recommended to take <i>Math 11: Transition to Upper Division Mathematics</i> first. Math 11 will teach students how to write mathematical proofs and introduce students to theory-based mathematics.
MATH 131A ⁺	MATH 106	
MATH 105A	MATH 117 or 110A	
MATH 105B	MATH 123 or 120A	
MATH 170E or STATS 100A or MATH 170A		⁺ These two courses must be passed with a letter grade of C- or better. Students are strongly recommended to complete MATH 115A as one of their first upper division courses before MATH 131A.
MATH 170S or STATS 100B		
One mathematics analysis course from MATH 131B–136: _____		All other courses not marked with a plus sign (+) can be completed with a minimum letter grade of D-. However, low grades need to be balanced out with higher grades in order to attain a minimum grade point average of 2.0 to graduate.
One applied mathematics course from MATH 142–168: _____		
One upper division elective from MATH 110B–191 or STATS 100C: _____		
		Upper division major courses must
		1. Be worth 4.0 units (unless they are supplementary to main courses like labs),
		2. Be completed with letter grades,
		3. Cumulate to a minimum grade point average of 2.0.

REQUIRED TO GRADUATE

Complete all courses with the required GPA and letter grades stated in boxes above by Degree Expected Term.
Complete all [General Education requirements](#) by [Degree Expected Term](#).